

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|---|------------------|---------|---------------------|
| L1    | 6      | (binary NEAR3 mask) WITH (absolute NEAR3 difference)                                  | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/02/04<br>11:28 |
| L2    | 254753 | likelihood OR probability   | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/02/04<br>11:30 |
| L3    | 3      | 1 and 2   | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/02/04<br>11:30 |
| L4    | 1      | ("6625310").FN.   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/02/04<br>11:32 |
| L5    | 0      | (binary NEAR3 mask) WITH noise WITH (absolute NEAR3 difference)                       | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/02/04<br>11:38 |
| L6    | 0      | (binary NEAR3 mask WITH likelihood) WITH (absolute NEAR3 difference)                  | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/02/04<br>11:38 |
| L7    | 0      | (binary NEAR3 mask WITH (likelihood OR probability)) WITH (absolute NEAR3 difference) | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/02/04<br>11:39 |
| L8    | 1      | (binary NEAR3 mask) AND (likelihood OR probability) WITH (absolute NEAR3 difference)  | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/02/04<br>11:39 |
| L9    | 1      | ("6208763").FN.   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/02/04<br>11:41 |
| L10   | 1      | ("7171057").FN.   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/02/04<br>11:52 |
| L11   | 322312 | likelihood OR probability   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/04<br>11:59 |
| L12   | 49965  | (exhibit\$3 OR show\$3 OR display\$3 OR expos\$3) NEAR3 noise                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/04<br>12:00 |
| L13   | 5858   | 11 and 12   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/04<br>12:00 |

|     |        |   |   |    |     |                     |
|-----|--------|---|---|----|-----|---------------------|
| L14 | 0      | (likelihood OR probability)<br>WITH (input NEAR3 image)<br>WITH (exhibit\$3 OR show\$3<br>OR display\$3 OR expos\$3)<br>NEAR3 noise | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/04<br>12:02 |
| L15 | 2      | (likelihood OR probability)<br>WITH (input NEAR3 image)<br>WITH (exhibit\$3 OR show\$3<br>OR display\$3 OR expos\$3)<br>NEAR3 noise | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/04<br>12:02 |
| L16 | 1      | ("6009140").FN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/04<br>12:05 |
| L17 | 7      | (likelihood OR probability)<br>SAME (input NEAR3 image)<br>SAME (exhibit\$3 OR show\$3<br>OR display\$3 OR expos\$3)<br>NEAR3 noise | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/04<br>12:06 |
| L18 | 1      | ("20050111751").FN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/04<br>12:15 |
| L19 | 1      | ("7215365").FN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/04<br>12:34 |
| L20 | 1505   | (382/254).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/04<br>15:21 |
| L21 | 1687   | (382/260-261).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/04<br>15:21 |
| S1  | 1146   | (382/254).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/11/21<br>14:30 |
| S2  | 974    | (382/260).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/11/21<br>14:30 |
| S3  | 418    | (382/261).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/11/21<br>14:30 |
| S4  | 128    | (382/262).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/11/21<br>14:30 |
| S5  | 7805   | spike WITH noise  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/05/24<br>11:25 |
| S6  | 134002 | process\$3 WITH image<br>WITH data  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/05/24<br>11:26 |
| S7  | 28     | (process\$3 WITH image<br>WITH data WITH identif\$3<br>WITH feature WITH<br>interest)   | US-PGPUB;<br>USPAT  | OR | ON  | 2007/05/24<br>11:33 |
| S8  | 6      | (process\$3 WITH input<br>WITH image WITH data)<br>SAME ( identif\$3 WITH<br>feature WITH interest)                                 | US-PGPUB;<br>USPAT  | OR | ON  | 2007/05/24<br>11:34 |
| S9  | 57     | (process\$3 WITH input<br>WITH image WITH data)<br>AND ( spike WITH noise)  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/05/24<br>11:42 |

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|-----|----|---|-----------------|----|-----|------------------|
| S10 | 2  | (process\$3 WITH input WITH image WITH data) SAME ( spike WITH noise)                                 | US-PGPUB; USPAT | OR | ON  | 2007/05/24 11:36 |
| S11 | 4  | spike WITH noise WITH input WITH image WITH data  | US-PGPUB; USPAT | OR | ON  | 2007/05/24 11:41 |
| S12 | 3  | (spike WITH noise WITH input WITH image WITH data) AND blend\$  | US-PGPUB; USPAT | OR | ON  | 2007/05/24 11:40 |
| S13 | 2  | (spike WITH noise WITH input WITH image WITH data) AND (blend\$ WITH process\$3 WITH image WITH data) | US-PGPUB; USPAT | OR | ON  | 2007/05/24 11:39 |
| S14 | 2  | characteriz\$3 WITH spike WITH noise WITH input WITH image  | US-PGPUB; USPAT | OR | ON  | 2007/05/24 13:19 |
| S15 | 1  | identify\$3 WITH spike WITH noise WITH input WITH image   | US-PGPUB; USPAT | OR | ON  | 2007/05/24 13:19 |
| S16 | 6  | spike WITH noise WITH input WITH image  | US-PGPUB; USPAT | OR | ON  | 2007/05/24 13:20 |
| S17 | 13 | "5943433"   | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:47 |
| S18 | 1  | ("5943433").PN.   | US-PGPUB; USPAT | OR | OFF | 2007/05/24 15:52 |
| S19 | 1  | (shrink\$3 WITH input WITH image WITH data ) SAME (interpolat\$3 WITH size WITH input WITH image)     | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:54 |
| S20 | 1  | (shrink\$3 WITH input WITH image WITH data ) AND (interpolat\$3 WITH size WITH input WITH image)      | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:55 |
| S21 | 1  | (shrink\$3 WITH input WITH image WITH data ) AND (interpolat\$3 WITH size )                           | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:55 |
| S22 | 23 | (shrink\$3 WITH input WITH image WITH data )  | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:58 |
| S23 | 13 | (shrink\$3 WITH input WITH image WITH data ) AND interpolat\$3  | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:58 |
| S24 | 1  | (shrink\$3 WITH input WITH image WITH data ) AND (interpolat\$3 WITH size)                            | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:59 |
| S25 | 10 | (shrink\$3 WITH input WITH image WITH data ) AND (interpolat\$3 WITH image)                           | US-PGPUB; USPAT | OR | ON  | 2007/05/24 15:59 |
| S26 | 0  | probability WITH discrete WITH picture WITH spike WITH noise  | US-PGPUB; USPAT | OR | ON  | 2007/05/25 08:49 |

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|-----|-----|---|--------------------|----|-----|---------------------|
| S27 | 67  | probability WITH spike<br>WITH noise  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>08:51 |
| S28 | 1   | ( probability WITH spike<br>WITH noise) SAME image  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>08:54 |
| S29 | 14  | ( probability WITH spike<br>WITH noise) AND image   | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>08:54 |
| S30 | 11  | ( probability WITH spike<br>WITH noise) AND image<br>AND data                               | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>11:27 |
| S31 | 5   | ( probability WITH spike<br>WITH noise) AND image<br>AND data AND discrete                  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>08:58 |
| S32 | 0   | ( probability WITH spike<br>WITH noise) SAME ( image<br>AND data AND discrete)              | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>08:58 |
| S33 | 1   | mask WITH encod\$3 WITH<br>weight\$3 WITH factor WITH<br>blend\$3 WITH data                 | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>11:29 |
| S34 | 1   | mask WITH weight\$3 WITH<br>factor WITH blend\$3 WITH<br>data                               | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>11:29 |
| S35 | 214 | mask WITH weight\$3 WITH<br>factor  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>11:30 |
| S36 | 0   | mask WITH weight\$3 WITH<br>factor WITH processing<br>WITH image WITH data                  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>11:30 |
| S37 | 1   | (mask WITH weight\$3<br>WITH factor) SAME<br>( processing WITH image<br>WITH data)          | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/25<br>11:31 |
| S38 | 1   | ("7113306").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/25<br>13:42 |
| S39 | 1   | ("20040161139").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/25<br>13:42 |
| S40 | 1   | ("5673332").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/07<br>09:20 |
| S41 | 1   | ("6009140").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/07<br>09:19 |
| S42 | 1   | ("6292583").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/07<br>09:20 |
| S43 | 1   | ("20030128374").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/07<br>09:20 |
| S44 | 1   | ("20040161139").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/07<br>09:20 |
| S45 | 1   | ("7113306").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/07<br>09:20 |
| S46 | 0   | (image WITH process\$3)<br>SAME (identify\$3 WITH<br>feature\$ WITH " of" WITH<br>interest) | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/19<br>16:05 |

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| S47 | 155  | (image WITH process\$3)<br>SAME (identify\$3 WITH<br>feature\$ WITH interest)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:06 |
| S48 | 1    | (image WITH process\$3)<br>SAME (identify\$3 WITH<br>feature\$ WITH interest<br>WITH produc\$3 WITH<br>image WITH data) | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:06 |
| S49 | 95   | (image WITH process\$3)<br>WITH (identify\$3 WITH<br>feature\$ WITH interest)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:07 |
| S50 | 18   | (image WITH process\$3)<br>WITH (identify\$3 ADJ1<br>feature\$ WITH interest)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:07 |
| S51 | 16   | (image WITH process\$3)<br>WITH (identify\$3 ADJ1<br>feature\$ NEAR2 interest)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:07 |
| S52 | 15   | (image WITH process\$3)<br>WITH (identify\$3 ADJ1<br>feature\$ NEAR1 interest)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:12 |
| S53 | 182  | (identify\$3 ADJ1 feature\$<br>NEAR1 interest)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:12 |
| S54 | 4931 | (identify\$3 ADJ1 feature\$ "<br>WITH of" WITH interest)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:13 |
| S55 | 0    | (identify\$3 ADJ1 feature\$<br>WITH "of" WITH interest)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:13 |
| S56 | 4931 | (identify\$3 ADJ1 feature\$<br>"ADJ1 of" WITH interest)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:13 |
| S57 | 186  | (identify\$3 ADJ1 feature\$<br>ADJ2 interest)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:14 |
| S58 | 10   | (identify\$3 ADJ1 feature\$<br>ADJ2 interest) WITH (image<br>ADJ1 process\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:16 |
| S59 | 2    | 382/190.cds. AND (identify<br>\$3 ADJ1 feature ADJ2<br>interest)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:17 |
| S60 | 25   | 382/190.cds. AND (identify<br>\$3 WITH feature WITH<br>interest)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:23 |
| S61 | 417  | (process\$3 WITH image)<br>SAME ( (identify\$3 OR<br>extract\$3) WITH feature<br>WITH interest)                         | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:25 |
| S62 | 207  | "382"/\$.cds. AND (process<br>\$3 WITH image) SAME<br>( (identify\$3 OR extract\$3)<br>WITH feature WITH<br>interest)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/19<br>16:26 |

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| S63 | 128     | "382"/\$.cds. AND (process \$3 WITH image) WITH ( (identify\$3 OR extract\$3) WITH feature WITH interest)  | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:26 |
| S64 | 37      | "382"/\$.cds. AND (process \$3 WITH image) WITH ( (identify\$3 OR extract\$3) ADJ1 feature WITH interest)  | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:26 |
| S65 | 26      | "382"/\$.cds. AND (process \$3 WITH image) WITH ( (identify\$3 OR extract\$3) ADJ1 feature NEAR3 interest) | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:30 |
| S66 | 34      | (process\$3 WITH image) WITH ( (identify\$3 OR extract\$3) ADJ1 feature NEAR3 interest)                    | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:32 |
| S67 | 16      | (process\$3 WITH image) WITH ( (identify\$3 ADJ1 feature NEAR3 interest)                                   | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:37 |
| S68 | 8102    | spike WITH noise   | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:38 |
| S69 | 1380    | spike ADJ1 noise   | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:38 |
| S70 | 11      | characteriz\$3 WITH spike ADJ1 noise   | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:56 |
| S71 | 1       | characteriz\$3 ADJ1 spike ADJ1 noise   | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:38 |
| S72 | 3       | characteriz\$3 NEAR3 spike ADJ1 noise  | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:39 |
| S73 | 365053  | image WITH process\$3  | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:39 |
| S74 | 3       | S70 and S73  | US-PGPUB; USPAT | OR | ON | 2007/11/19 16:40 |
| S75 | 1       | blend\$3 WITH spike WITH noise WITH process\$3 WITH image  | US-PGPUB; USPAT | OR | ON | 2007/11/19 17:05 |
| S76 | 11      | reduc\$3 WITH spike WITH noise WITH image WITH data  | US-PGPUB; USPAT | OR | ON | 2007/11/19 17:16 |
| S77 | 3329704 | (combin\$3 OR associat\$3 OR blend\$3)   | US-PGPUB; USPAT | OR | ON | 2007/11/19 17:17 |
| S78 | 17      | spike WITH noise WITH process\$2 WITH image WITH data  | US-PGPUB; USPAT | OR | ON | 2007/11/19 17:19 |
| S79 | 17      | S77 and S78  | US-PGPUB; USPAT | OR | ON | 2007/11/19 17:22 |
| S80 | 0       | combin\$3 WITH spike WITH noise WITH processed WITH image WITH data  | US-PGPUB; USPAT | OR | ON | 2007/11/19 17:23 |

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|------|---------|---|-----------------|----|-----|------------------|
| S81  | 0       | combin\$3 WITH spike WITH noise WITH process\$2 WITH image WITH data          | US-PGPUB; USPAT | OR | ON  | 2007/11/19 17:23 |
| S82  | 365433  | image WITH process\$3   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 08:35 |
| S83  | 9712    | perform\$3 WITH blend\$3  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 08:35 |
| S84  | 8110    | spike WITH noise  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 08:36 |
| S85  | 7       | S82 and S83 and S84   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 08:48 |
| S86  | 1       | "20020093686"   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 08:43 |
| S87  | 2       | "7006709"   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 08:46 |
| S88  | 111     | "5673332"   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 08:46 |
| S89  | 1       | ("5673332").PN.   | US-PGPUB; USPAT | OR | OFF | 2007/11/20 08:46 |
| S90  | 2       | "7006709"   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:07 |
| S91  | 3331929 | blend\$3 OR associat\$3 OR combin\$3  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:08 |
| S92  | 1380    | spike ADU1 noise  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:09 |
| S93  | 365433  | image WITH process\$3   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:09 |
| S94  | 136     | S91 and S92 and S93   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:16 |
| S95  | 3       | "6493416"   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:16 |
| S96  | 1       | ("6493416").PN.   | US-PGPUB; USPAT | OR | OFF | 2007/11/20 09:24 |
| S97  | 1       | ("6535623").PN.   | US-PGPUB; USPAT | OR | OFF | 2007/11/20 09:30 |
| S98  | 0       | (filter\$2 WITH image) WITH (input WITH image) WITH (blend\$3 WITH paramter)  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:32 |
| S99  | 3       | (filter\$2 WITH image) WITH (input WITH image) WITH (blend\$3 WITH parameter) | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:33 |
| S100 | 9527780 | $R = bF + (1-b)I$   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:34 |
| S101 | 9527780 | $R = b^*F + (1-b)^*I$   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 09:35 |
| S102 | 41      | $(R = b^*F + (1-b)^*I)$ WITH blend\$3   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 10:38 |
| S103 | 111     | "5673332"   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 10:38 |

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|------|-------|---|--------------------|----|-----|---------------------|
| S104 | 1     | ("5673332").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>10:39 |
| S105 | 1380  | spike ADJ1 noise  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>10:39 |
| S106 | 184   | rank ADJ1 order WITH filter<br>\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>10:40 |
| S107 | 122   | rank ADJ1 order ADJ1 filter<br>\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>10:41 |
| S108 | 5     | S105 and S107   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>10:40 |
| S109 | 11    | rank ADJ1 order ADJ1 filter<br>\$3 WITH input WITH image                              | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>11:06 |
| S110 | 13    | (comput\$3 WITH absolute<br>WITH difference) WITH<br>( input WITH image WITH<br>data) | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>11:09 |
| S111 | 3     | (comput\$3 ADJ1 absolute<br>ADJ1 difference) WITH<br>( input WITH image WITH<br>data) | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>11:07 |
| S112 | 19    | (comput\$3 WITH absolute<br>WITH difference) SAME<br>( input WITH image WITH<br>data) | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>11:28 |
| S113 | 1     | ("5673332").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>11:41 |
| S114 | 40    | multi ADJ1 level ADJ1 mask  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:34 |
| S115 | 30    | spike WITH noise WITH<br>likelihood   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>11:43 |
| S116 | 2     | S114 and S115   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>11:43 |
| S117 | 1     | (spike WITH noise WITH<br>likelihood) SAME (image<br>WITH process\$3)                 | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>11:44 |
| S118 | 0     | generat\$3 WITH multi ADJ1<br>mask WITH spike WITH<br>noise                           | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:35 |
| S119 | 1     | generat\$3 WITH multi<br>WITH mask WITH spike<br>WITH noise                           | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:35 |
| S120 | 76277 | generat\$3 WITH threshold   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:41 |
| S121 | 30    | spike WITH noise WITH<br>likelihood   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:36 |
| S122 | 8     | S120 and S121   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:40 |
| S123 | 1684  | generat\$3 WITH threshold<br>WITH (image WITH process<br>\$3)                         | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:43 |



|      |        |  |                    |    |     |                     |
|------|--------|--|--------------------|----|-----|---------------------|
| S124 | 1      | ("5673332").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>12:49 |
| S125 | 2      | multi ADJ1 level WITH<br>threshold WITH criterion  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:53 |
| S126 | 365433 | image WITH process\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:54 |
| S127 | 3602   | shrink\$3 WITH image   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:54 |
| S128 | 21270  | interpolat\$3 WITH image   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>12:55 |
| S129 | 302    | S126 and S127 and S128   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>13:39 |
| S130 | 1      | ("20050111751").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>13:43 |
| S131 | 1      | perform\$3 WITH blend\$3<br>WITH discrete WITH picture                                       | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>13:45 |
| S132 | 919    | (show\$3 OR display\$3)<br>WITH spike WITH noise   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>13:46 |
| S133 | 9      | perform\$3 WITH ( blend\$1<br>OR combin\$3 OR associat<br>\$3) WITH discrete WITH<br>picture | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>13:48 |
| S134 | 0      | S132 and S133  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>13:48 |
| S135 | 24443  | feature WITH interest  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>14:50 |
| S136 | 69     | structural WITH region<br>WITH image WITH data   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>14:50 |
| S137 | 18     | S135 and S136  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>15:50 |
| S138 | 1      | ("6535623").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>15:10 |
| S139 | 1      | "7171057"  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>17:02 |
| S140 | 1      | ("6009140").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>17:03 |
| S141 | 1      | ("6,535,623").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>17:03 |
| S142 | 1      | ("6535623").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/21<br>08:58 |
| S143 | 1      | ("20030199762").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/21<br>11:39 |
| S144 | 1      | ("20030099405").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/21<br>11:39 |
| S145 | 1244   | (382/254).CCL.S.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/21<br>14:30 |
| S146 | 1034   | (382/260).CCL.S.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/21<br>14:30 |

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|------|--------|---|--------------------|----|-----|---------------------|
| S147 | 440    | (382/261).CQLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/21<br>14:30 |
| S148 | 131    | (382/262).CQLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/21<br>14:30 |
| S149 | 1      | ("20050111751").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/21<br>15:03 |
| S150 | 1      | ("7171057").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/21<br>15:11 |
| S151 | 1      | ("6009140").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>09:58 |
| S152 | 1336   | (382/254).CQLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>11:50 |
| S153 | 1113   | (382/260).CQLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>11:50 |
| S154 | 460    | (382/261).CQLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>11:50 |
| S155 | 138    | (382/262).CQLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>11:51 |
| S156 | 8462   | spike WITH noise  | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S157 | 154356 | process\$3 WITH image<br>WITH data  | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S158 | 6      | (process\$3 WITH input<br>WITH image WITH data)<br>SAME ( identif\$3 WITH<br>feature WITH interest)               | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S159 | 3      | (spike WITH noise WITH<br>input WITH image WITH<br>data) AND (blend\$ WITH<br>process\$3 WITH image<br>WITH data) | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S160 | 7      | spike WITH noise WITH<br>input WITH image   | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S161 | 69     | probability WITH spike<br>WITH noise  | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S162 | 1      | identif\$3 WITH spike WITH<br>noise WITH input WITH<br>image  | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S163 | 28     | (shrink\$3 WITH input WITH<br>image WITH data )   | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:51 |
| S164 | 1      | generat\$3 WITH multi<br>WITH mask WITH spike<br>WITH noise   | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:52 |
| S165 | 3      | mask WITH weight\$3 WITH<br>factor WITH blend\$3 WITH<br>data   | US-PGPUB;<br>USPAT | OR | ON  | 2008/04/22<br>11:52 |
| S166 | 1      | ("20060170971").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>15:30 |
| S167 | 1      | ("6201612").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>15:54 |

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|------|---------|---|--------------------|----|-----|---------------------|
| S168 | 421     | (358/3.03).CCLS.  | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>16:19 |
| S169 | 1       | ("20060170971").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/22<br>16:22 |
| S170 | 3193074 | shrink\$3 NEAR5 image<br>NEAR5 factor interpolat size<br>image  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>11:52 |
| S171 | 0       | ". "  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>11:52 |
| S172 | 3       | (shrink\$3 NEAR5 image<br>NEAR5 factor) AND<br>(interpolat\$3 NEAR5 size<br>NEAR5 image)  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>11:53 |
| S173 | 10      | ((shrink\$3 OR contract OR<br>recoil) WITH image WITH<br>(factor OR broker OR<br>ingredient OR gene)) AND<br>(interpolat\$3 OR introduc\$3<br>OR intercalat\$3) NEAR5 size<br>NEAR5 image | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>11:59 |
| S174 | 8662    | spike WITH noise  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:03 |
| S175 | 7462    | spike NEAR5 noise   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:03 |
| S176 | 5201    | spike NEAR1 noise   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:04 |
| S177 | 1469    | spike ADJ1 noise  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:04 |
| S178 | 16      | spike ADJ1 noise NEAR5<br>(likelihood OR probability)   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:05 |
| S179 | 325781  | image NEAR5 process\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:05 |
| S180 | 5       | S178 and S179   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:05 |
| S181 | 1       | ("5673332").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/01<br>12:11 |
| S182 | 1864827 | mask OR cover   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:18 |
| S183 | 4       | S178 and S182   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/01<br>12:19 |
| S184 | 161748  | process\$3 WITH image<br>WITH data  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>09:13 |
| S185 | 3961406 | blende OR blend\$3 OR<br>combine OR combin\$3 OR<br>associate OR associat\$3 OR<br>mixe OR mix\$3 OR merge<br>OR merg\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>09:17 |

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| S186 | 53 | (blende OR blend\$3 OR combine OR combin\$3 OR associate OR associat\$3 OR mixe OR mix\$3 OR merge OR merg\$3) WITH (input NEAR3 image NEAR3 data) WITH (processed NEAR3 image NEAR3 data)                            | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>09:19 |
| S187 | 5  | dependent WITH (blende OR blend\$3 OR combine OR combin\$3 OR associate OR associat\$3 OR mixe OR mix\$3 OR merge OR merg\$3) WITH (input NEAR3 image NEAR3 data) WITH (processed NEAR3 image NEAR3 data)             | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>09:20 |
| S188 | 1  | ("6493416").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>09:28 |
| S189 | 1  | ("7254261").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>09:35 |
| S190 | 1  | ("7215365").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>09:36 |
| S191 | 1  | ("7016011").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>09:41 |
| S192 | 1  | ("20050111751").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>09:45 |
| S193 | 1  | ("2004077347").PN.  | US-PGPUB;<br>USPAT; EPO;<br>JPO          | OR | OFF | 2008/08/07<br>09:45 |
| S194 | 0  | ("wo2004077347").PN.  | US-PGPUB;<br>USPAT; EPO;<br>JPO          | OR | OFF | 2008/08/07<br>09:45 |
| S195 | 4  | ("2004077347").PN.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>09:46 |
| S196 | 2  | ("6466210").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>09:52 |
| S197 | 2  | ("6400832").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>09:55 |
| S198 | 5  | (dependent OR local ) WITH (blende OR blend\$3 OR combine OR combin\$3 OR associate OR associat\$3 OR mixe OR mix\$3 OR merge OR merg\$3) WITH (input NEAR3 image NEAR3 data) WITH (processed NEAR3 image NEAR3 data) | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>10:07 |
| S199 | 1  | ("6856705").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>10:11 |

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|------|--------|---|--|----|-----|---------------------|
| S200 | 1      | ("6493416").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>10:29 |
| S201 | 2      | ("6493416").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>10:40 |
| S202 | 2      | ("20050111751").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>10:48 |
| S203 | 2      | ("20030099405").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>11:16 |
| S204 | 2      | ("6173083").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>11:31 |
| S205 | 2      | ("6208763").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/07<br>11:36 |
| S207 | 90     | (likelihood OR probability)<br>WITH (spike NEAR3 noise)                                   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:37 |
| S208 | 161    | ((multi ADJ1 level) OR<br>(multi-level)) NEAR3 mask                                       | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:38 |
| S209 | 2      | S207 and S208   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:38 |
| S210 | 1      | (generat\$3 WITH mask)<br>WITH (likelihood OR<br>probability) WITH (spike<br>NEAR3 noise) | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:40 |
| S211 | 282432 | image NEAR3 process\$3  | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:40 |
| S212 | 7      | S207 and S211   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:41 |
| S213 | 0      | multilevel NEAR3 mask<br>NEAR3 spike NEAR3 noise  | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:45 |
| S214 | 1      | multi-level NEAR3 mask<br>NEAR3 spike NEAR3 noise   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:45 |
| S215 | 1      | multi ADJ1 level NEAR3<br>mask NEAR3 spike NEAR3<br>noise                                 | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:45 |
| S216 | 15     | mask NEAR3 spike NEAR3<br>noise   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:45 |
| S217 | 3      | S207 and S216   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:45 |
| S218 | 416870 | likelihood OR probability   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:47 |
| S219 | 5      | S216 and S218   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>11:47 |
| S220 | 1      | ("7269212").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>11:51 |

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|------|-------|---|--------------------|----|-----|---------------------|
| S221 | 0     | generat\$3 WITH multi-level<br>WITH mask WITH spike<br>WITH noise WITH<br>(likelihood OR probability) | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>11:55 |
| S222 | 2     | mask WITH spike WITH<br>noise WITH (likelihood OR<br>probability)                                     | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>11:55 |
| S223 | 0     | shrink\$3 WITH image WITH<br>desired WITH factor  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>12:47 |
| S224 | 3957  | shrink\$3 WITH image  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>12:48 |
| S225 | 134   | shrink\$3 WITH image WITH<br>factor   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>12:48 |
| S226 | 12122 | interpolat\$3 NEAR3 image   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>12:49 |
| S227 | 17    | S225 and S226   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>12:49 |
| S228 | 4     | shrink\$3 NEAR3 input<br>NEAR3 image NEAR3 factor   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>12:56 |
| S229 | 1     | ("5335295").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>12:59 |
| S230 | 1     | ("6690840").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:01 |
| S231 | 1     | ("6173083").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:08 |
| S232 | 1     | ("6208763").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:09 |
| S233 | 1     | spike WITH noise WITH<br>(likelihood OR probability)<br>WITH absolute WITH<br>difference              | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:20 |
| S234 | 0     | rank WITH order WITH filter<br>WITH multi-level WITH<br>mask  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:21 |
| S235 | 4     | rank WITH order WITH filter<br>WITH mask  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:21 |
| S236 | 4     | generat\$3 WITH spike<br>WITH noise WITH<br>probability   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:24 |
| S237 | 1     | ("5008100").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:28 |
| S238 | 1     | ("5505783").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:28 |
| S239 | 1     | ("20050267376").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:31 |
| S240 | 1     | ("5788952").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:33 |
| S241 | 158   | generat\$3 NEAR3 noise<br>NEAR3 probability   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:35 |

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|------|-----|---|--------------------|----|-----|---------------------|
| S242 | 1   | generat\$3 NEAR3 spike<br>ADJ1 noise NEAR3<br>probability   | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:36 |
| S243 | 3   | generat\$3 NEAR3 spike<br>NEAR3 noise NEAR3<br>probability  | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:36 |
| S244 | 1   | ("6009140").FN.   | US-PGPUB;<br>USPAT | OR | OFF | 2008/08/07<br>13:37 |
| S245 | 198 | (gopal WITH avinash).in.<br>(spike WITH noise WITH<br>likelihood WITH probability).<br>dm.                                | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:40 |
| S246 | 198 | (gopal WITH avinash).in.<br>(spike NEAR3 noise WITH<br>likelihood WITH probability).<br>dm.                               | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:41 |
| S247 | 198 | (gopal WITH avinash).in.<br>(spike NEAR3 noise NEAR3<br>likelihood WITH probability).<br>dm.                              | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:41 |
| S248 | 198 | (gopal WITH avinash).in.<br>(spike NEAR3 noise NEAR3<br>(likelihood OR probability)).<br>dm.                              | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:41 |
| S249 | 198 | (gopal WITH avinash).in.<br>(generat\$3 NEAR3 spike<br>NEAR3 noise NEAR3<br>(likelihood OR probability)).<br>dm.          | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:41 |
| S250 | 198 | (gopal WITH avinash).in.<br>(generat\$3 NEAR1 spike<br>NEAR3 noise NEAR3<br>(likelihood OR probability)).<br>dm.          | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:42 |
| S251 | 198 | (gopal WITH avinash).in.<br>(generat\$3 NEAR1 spike<br>NEAR1 noise NEAR3<br>(likelihood OR probability)).<br>dm.          | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:42 |
| S252 | 198 | (gopal WITH avinash).in.<br>(generat\$3 NEAR1 spike<br>NEAR1 noise NEAR1<br>(likelihood OR probability)).<br>dm.          | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:42 |
| S253 | 198 | (gopal WITH avinash).in.<br>(generat\$3 WITH mask<br>NEAR1 spike NEAR1 noise<br>NEAR1 (likelihood OR<br>probability)).dm. | US-PGPUB;<br>USPAT | OR | ON  | 2008/08/07<br>13:42 |

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| S254 | 198  | (gopal WITH avinash).in.<br>(generat\$3 WITH multi-level<br>WITH mask NEAR1 spike<br>NEAR1 noise NEAR1<br>(likelihood OR probability)).<br>clm.      | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>13:43 |
| S255 | 198  | (gopal WITH avinash).in.   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>13:44 |
| S256 | 1    | (gopal WITH avinash).in.<br>AND (generat\$3 WITH multi-<br>level WITH mask NEAR1<br>spike NEAR1 noise NEAR1<br>(likelihood OR probability)).<br>clm. | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>13:44 |
| S257 | 0    | (gopal WITH avinash).in.<br>AND (spike WITH noise<br>WITH likelihood WITH<br>probability)).clm.  | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>13:45 |
| S258 | 198  | (gopal WITH avinash).in.<br>(spike NEAR3 noise NEAR3<br>(likelihood OR probability)).<br>clm.  | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>13:45 |
| S259 | 1    | (gopal WITH avinash).in.<br>AND (spike NEAR3 noise<br>NEAR3 (likelihood OR<br>probability)).clm.   | US-PGPUB;<br>USPAT                       | OR | ON  | 2008/08/07<br>13:45 |
| S260 | 1    | ("7215365").PN.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>14:16 |
| S261 | 1    | ("7215365").PN.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>15:12 |
| S262 | 1    | ("5673332").PN.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>15:43 |
| S263 | 1386 | (382/254).OCLS.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>16:28 |
| S264 | 1164 | (382/260).OCLS.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>16:28 |
| S265 | 479  | (382/261).OCLS.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>16:29 |
| S266 | 144  | (382/262).OCLS.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/07<br>16:29 |
| S267 | 2    | characteriz\$3 WITH spike<br>WITH noise WITH input<br>WITH image   | US-PGPUB;<br>USPAT; EPO;<br>JPO          | OR | ON  | 2008/08/07<br>16:29 |
| S268 | 9    | spike WITH noise WITH<br>input WITH image  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/07<br>16:29 |
| S269 | 1    | ("20060062469").PN.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/08<br>08:27 |
| S270 | 1386 | (382/254).OCLS.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/08<br>09:24 |
| S271 | 1164 | (382/260).OCLS.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2008/08/08<br>09:24 |



|      |         |   |   |    |     |                     |
|------|---------|---|---|----|-----|---------------------|
| S272 | 479     | (382/261).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/08/08<br>09:24 |
| S273 | 144     | (382/262).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/08/08<br>09:24 |
| S274 | 1       | ("7215365").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/02<br>14:29 |
| S275 | 1       | ("20030199762").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/02<br>14:37 |
| S276 | 1       | ("6535623").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/02<br>14:37 |
| S277 | 1       | ("20050111751").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/02<br>14:45 |
| S278 | 8476    | 382/254-275.ccls.   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/02/03<br>10:15 |
| S279 | 6500064 | blend\$3 OR mix\$3 OR mingl<br>\$3 OR commingl\$3 OR merg<br>\$3 OR coalesc\$3 OR<br>amalgamat\$3 OR fus\$3 OR<br>combin\$3 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:20 |
| S280 | 4962    | S278 and S279   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:20 |
| S281 | 1191    | 382/284.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:20 |
| S282 | 107     | S280 and S281   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:20 |
| S283 | 326     | 382/284.ccls. AND noise   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:21 |
| S284 | 45      | S280 and S283   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:21 |
| S285 | 46285   | filter\$3 NEAR3 image   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/02/03<br>10:31 |

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|------|--------|--|---|----|-----|---------------------|
| S286 | 62838  | filter\$3 NEAR3 image  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:31 |
| S287 | 12759  | point NEAR3 noise  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:32 |
| S288 | 628    | S286 and S287  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:32 |
| S289 | 66     | S280 and S288  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:32 |
| S290 | 105629 | image WITH (processed<br>NEAR3 image)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:49 |
| S291 | 214    | blend\$3 WITH image WITH<br>(processed NEAR3 image)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:49 |
| S292 | 123    | blend\$3 WITH image<br>NEAR3 (processed NEAR3<br>image)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:50 |
| S293 | 25     | S280 and S291  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>10:50 |
| S294 | 1      | ("6963670").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/03<br>10:55 |
| S295 | 6      | ((("6963670") or<br>("6717610") or ("6018597")<br>or ("6663662") or<br>("5860931") or<br>("6720997"))).PN. | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/03<br>11:00 |

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|------|--------|--|---|----|-----|---------------------|
| S296 | 1      | ("6963670").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/02/03<br>13:22 |
| S297 | 9      | ("5860931"   "6018597"  <br>"6173083"   "6208763"  <br>"6424730"   "6633662"  <br>"6717610"   "6720997").PN.<br>OR ("6963670").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/02/03<br>13:22 |
| S298 | 430    | 382/284.ccls. AND (noise<br>OR artifact )  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:32 |
| S299 | 61     | S280 and S298  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:32 |
| S300 | 2039   | detect\$3 NEAR3 noise<br>NEAR3 image   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:49 |
| S301 | 6259   | deriv\$3 NEAR3 data NEAR3<br>image   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:50 |
| S302 | 578204 | process\$3 NEAR3 image   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:51 |
| S303 | 1110   | S301 with S302   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:52 |
| S304 | 722    | S279 and S303  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:53 |
| S305 | 37     | S300 and S304  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/03<br>13:53 |

|      |   |               |   |    |    |                     |
|------|---|---------------|---|----|----|---------------------|
| S306 | 1 | S278 and S305 | US-PGPUB;<br>USPAT; USOCR;<br>PPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/03<br>13:53 |
|------|---|---------------|---|----|----|---------------------|

2/ 4/ 2009 3:23:05 PM

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